AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1-22. (Canceled)

23. (Currently Amended) A method for the production of core-shell (CS) particles ~~and/or microcapsules~~, comprising:

preparing porous templates, the templates being porous organic and/or inorganic microparticles having a diameter of less than 100 μm;

adsorbing in the porous templates at least one active compound to be encapsulated;

applying at least one primer layer to the porous templates; and

forming a capsule shell around the porous templates provided with the primer layer by applying coating materials comprising at least one of alternately charged poly-electrolyte layers and nanoparticle layers to the porous templates, wherein the primer layer is formed from a material which closes pores of the porous templates and is largely impermeable to the coating materials applied in the formation of the capsule shell.

24. (Previously Presented) The method as claimed in claim 23, wherein the pores have a pore width of 0.3 nm - 100 nm and preferably of 1 nm - 30 nm.

25. (Previously Presented) The method as claimed in claim 23, wherein the templates comprise at least one of porous silica particles, porous zeolite particles, and porous polystyrene particles.

26. (Previously Presented) The method as claimed in claim 25, wherein the porous silica particles range in size from 100 nm to 100 μm and preferably from 500 nm to 30 μm.

27. (Previously Presented) The method as claimed in claim 25, wherein the porous zeolite particles have a pore width of 0.3 nm to 10 nm.

28. (Previously Presented) The method as claimed in claim 23, wherein the at least one active compound to be encapsulated comprises at least one of a polymer, a protein, an organic molecule having a molecular weight of over 100 g/mol, a nanoparticle, an enzyme, a catalyst, a dye, a pharmaceutical or cosmetic active compound, and a plant protection agent.

29. (Previously Presented) The method as claimed in claim 23, wherein at least one auxiliary is used for mediating the adsorption of the at least one active compound.

30. (Currently Amended) The method as claimed in claim 23, wherein the at least one active compound comprises poly-electrolytes and/or nanoparticles ~~are used as the at least one active compound~~ and wherein a surface of the pores is coated by a number of layers of alternately charged poly-electrolytes and/or nanoparticles.

31. (Previously Presented) The method as claimed in claim 29, wherein the porous templates are prepared in a solution and, additionally or alternatively to the auxiliary, the adsorption of the at least one active compound is controlled by changing the pH of the solution.

32. (Previously Presented) The method as claimed in claim 23, further comprising dissolving the porous templates after formation of the capsule shell to form the microcapsules.

33. (Previously Presented) The method as claimed in claim 25, further comprising dissolving silica and/or zeolite templates by fluoride salts in the presence of a buffer solution having a pH between 3.5 and 6.

34-43. (Canceled)